

Abstract

The object is to provide an Air clean appratus that cleans up floating dusts in air in a room and is configured in a shape that can be placed in dead space in a room and will not be an obstacle when it is placed in a room.

[Means for Achieving the Object] An Air clean appratus comprising an air intake 13 intended to be located at a lower position in a corner of a room and an air outlet 14 intended to be located at an upper position in the corner of the room, and at least a filter 15 and a blower 18 both inside the Air clean appratus, characterized in that, when the Air clean appratus is installed in a room, a given quantity of circulating blowing air, the said quantity is decided according to the height from the floor underneath the air intake and the underside-open area determined on the basis of particles of the maximum size to be eliminated at the air intake.

The Air clean appratus 1 as a whole has a vertically-elongated shape, whose lower portion is located near a floor surface and whose upper portion has a height such that it extends to the vicinity of a ceiling surface. An anterior filter 5 is provided near the air intake 3 at the lower portion, and a photocatalytic filter 6 is arranged above the anterior filter in a direction along the longitudinal axis of the main body of the Air clean appratus. A blower 10 is installed over the photocatalytic filter 6, the photocatalytic filter eliminate and decompose contaminants contained in sucked air. Cleaned-up air is blown out as circulating air from the air outlet 4 provided at the upper portion.

[Elected Figure] FIG. 2